IN THE SPECIFICATION:

Please replace the paragraph starting on page 62, line 18, with the following rewritten paragraph:

- DNA-probe preparation: Two DNA probes for measure the wild type Cystic Fibrosis gene and the AF508 mutation of the Cystic Fibrosis were synthesised (DNA Technology, Aarhus, Denmark), both capture DNA-probe being 5 thiol modified.

PROBE $_{wCF}$ (SEQ ID NO: 1)	5' DMT-S-$(CH2)_{12}$CCATTAAAGAAAATATCATCTT-3'
$PROBE_{\Delta CF}$ (SEQ ID NO: 2)	5' DMT-S-$(CH1)_{12}$GCACCATTAAAGAAAATATCATCGG-3'

Table I: Capture probe wild type = $PROBE_{wCF}$ and Capture probe ΔF508 mutation = $PROBE_{\Delta CF}$-

Please replace the paragraph starting on page 65, line 4, with the following rewritten paragraph:

-The detection of the ΔF508 mutation of the Cystic Fibrosis gene using the PCR based micro-cantilevers as a sensor can be divided into several procedures:

1. Cleaning the gold micro-cantilever
2. Immobilization of the detection probe to the surface of the micro-cantilever (programming of the micro-cantilever chip).
3. DNA isolation from the biological sample (in this example three patient samples).
4. Designing PCR primers for either single reactions or multiplex reactions.

5. The reaction step involving simultaneously PCR reaction probe hybridization and a 3' extension reaction.

6. Measuring the bending of the micro-cantilever due to specific extension of the probe on the surface of the micro-cantilevers.

Primer 1_{CF} (SEQ ID NO: 3)	5'-AAGCAAGAATATAAGACATTGG-3' (sense)
Primer 2_{CF} (SEQ ID NO: 4)	5'-CTATATTCATCATAGGAAACAC-3' (antisence)
$PROBE_{wCF}$ (SEQ ID NO: 1)	5'DMT-S-$(CH2)_{12}$-CCATTAAAGAAAATATCATCTT-3'
$PROBE_{\Delta CF}$ (SEQ ID NO: 2)	5' DMT-S-$(CH2)_{12}$-GCACCATTAAAGAAAATATCATCGG-3'

Table II: Hybridization probes and PCR primers-

Please replace the paragraph starting on page 68, line 9, with the following rewritten paragraph:

-The cleaning of the gold micro- cantilever was performed as described in example 1. The quantitative analysis by RT-PCR can be difficult because of the exponential nature of PCR. A small variation during the assay might yield a marked change in the amount of the final products. The use of internal standards is therefor desirable in quantitative RT-PCR analysis to correct variations in RT-PCR as well as product detection step (micro-cantilever detection). An ideal endogenous standard would be a transcript in which the expression is constant during the cell cycle, between cell types or in response to external stimuli. A housekeeping gene GAPD that is transcribed constitutively in most cell types and tissue has been commonly used as an invariant control.

$PROBE_{IL6}$ (SEQ ID NO:5)	5' DMT-S-$(CH2)_{12}$-CTGCGCAGCTTTAAGGAGTTCC-3'
$PROBE_{GAPD}$ (SEQ ID NO:6)	5' DMT-S-$(CH2)_{12}$-CGCTGGGGCTGGCATTGCCCTC-3'
Primer 1_{GAPD} (SEQ ID NO:7)	5'- CATCAAGAAGGTGGTGAAGC-3' (sense)
Primer 2_{GAPD} (SEQ ID NO:8)	5'- GAGCTTGACAAAGTGGTCGT-3' (antisense)
Primer 1_{IL6} (SEQ ID NO:9)	5'-ATGAACTCCTTCTCCACAAGCGC-3' (sense)
Primer 2_{IL6} (SEQ ID NO:10)	5'- GAAGAGCCCTCAGGCTGGACTG - 3' antisense)

Table IV: Hybridization probes and PCR primers, both probes are located in close distance to PCR Primer 2_{IL6} and Primer 2_{GAPD} as illustrated in figure 17 and 18.-

Please replace the paragraph starting on page 71, line 18, with the following rewritten paragraph:

--The cleaning of the gold micro-cantilever was performed as described in example 1.

$PROBE_{HSV}$ (SEQ ID NO:11)	5' DMT-S-$(CH2)_{12}$-CAGCAAGATAAAGGTGAACGGC-3'
Primer 1_{HSV} (SEQ ID NO:12)	5'-ATCAACTTCGACTGGCCCTTC-3' (sense)
Primer 2_{HSV} (SEQ ID NO:13)	5'-CCGTACATGTCGATGTTCACC-3' (antisense)

Table VI: Hybridization probes and PCR primers. The PCR primer give a 179 bp fragment of the HSV polymerase gene, the HSV probe are located in close distance to Primer 2_{HSV}--

On page 73, immediately preceding the claims, insert the enclosed text entitled "SEQUENCE LISTING".